

## CLAIMS

- 5      1.      A hard surface treatment composition which comprising:  
an alcohol constituent selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, benzyl alcohol, and mixtures thereof which is present in an amount of from about 40 and 70 weight percent;  
an effective amount of a pH adjusting agent such that the pH range of the  
10     composition is from about 7.0 to about 13.0;  
optionally, one or more constituents selected from the group consisting of antimicrobials, corrosion inhibitors, perfumes, perfume carriers, deodorants, organic solvents, surfactants, propellants, pH buffers, organic acids, fungicides, film-forming polymers, and anti-oxidants;  
15     and water, to 100 weight percent  
characterized in that the hard surface treatment composition exhibits antimicrobial efficacy against one or more of: *Salmonella choleraesuis*, *Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Enterococcus hirae*, *Aspergillus niger*, *T. mentagrophytes*, Hepatitis A, Poliovirus Type 1, Coxsachievirus, Rotavirus, or Rhinovirus.  
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2.      A hard surface treatment compositions according to claim 1 which necessarily comprises a propellant.
- 25     3.      A hard surface treatment composition according to claim 1 which necessarily comprises an antimicrobial constituent.
4.      A hard surface treatment composition according to claim 2 which necessarily comprises an antimicrobial constituent.
- 30     5.      A hard surface treatment composition according to claim 3 wherein the antimicrobial constituent is quaternary ammonium compound having antimicrobial properties or salt form thereof.
- 35     6.      A hard surface treatment composition according to claim 5 wherein the antimicrobial constituent is a non-chloride ion containing quaternary ammonium antimicrobial having antimicrobial properties.

6. A hard surface treatment composition according to claim 4 wherein the antimicrobial constituent is quaternary ammonium compound having antimicrobial properties or salt form thereof.

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7. A hard surface treatment composition according to claim 6 wherein the antimicrobial constituent is a non-chloride ion containing quaternary ammonium antimicrobial having antimicrobial properties.

10 8. A process for providing a disinfecting treatment of hard surfaces wherein the presence of one or more undesired microorganisms selected from , is suspected, which process contemplates the step of applying an antimicrobially effective amount of a hard surface treatment composition according to claim 1 to the hard surfaces where the presence of undesired microorganisms selected from one or more of: *Salmonella choleraesuis*,  
15 *Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Enterococcus hirae* ,  
*Aspergillus niger*, *T. mentagrophytes*, Hepatitis A , Poliovirus Type 1, Coxsachievirus , Rotavirus, or Rhinovirus is suspected.

20 9. A process for providing a disinfecting treatment of hard surfaces wherein the presence of one or more undesired microorganisms selected from , is suspected, which process contemplates the step of applying an antimicrobially effective amount of a hard surface treatment composition according to claim 2 to the hard surfaces where the presence of undesired microorganisms selected from one or more of: *Salmonella choleraesuis*,  
*Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Enterococcus hirae* ,  
25 *Aspergillus niger*, *T. mentagrophytes*, Hepatitis A , Poliovirus Type 1, Coxsachievirus , Rotavirus, or Rhinovirus is suspected.

30 10. A method for treating ambient air which method includes the step of dispensing an effective amount of a hard surface composition according to claim 1 in an amount effective to exhibit antimicrobial efficacy against gram positive type pathogenic bacteria and/or gram negative type bacteria.

35 11. A method for treating ambient air which method includes the step of dispensing an effective amount of a hard surface composition according to claim 2 in an amount effective to exhibit antimicrobial efficacy against gram positive type pathogenic bacteria and/or gram negative type bacteria.

12. The composition according to claim 1 wherein the amount of alcohol is from about 50 to about 70 weight percent.

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13. The composition according to claim 12 wherein the amount of alcohol is from about 50 to about 60 weight percent.

14. The composition according to claim 1 wherein the pH of the composition is from  
10 about 9 to about 12.

15. The composition according to claim 1 the alcohol is selected from ethanol,  
isopropanol, and mixtures thereof.

15 16. The composition according to claim 15 wherein the alcohol is ethanol.

17. The composition according to claim 2 wherein the amount of alcohol is from about 50 to about 70 weight percent.

20 18. The composition according to claim 17 wherein the amount of alcohol is from about 50 to about 60 weight percent.

19. The composition according to claim 2 wherein the pH of the composition is from about 9 to about 12.

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20. The composition according to claim 2 the alcohol is selected from ethanol,  
isopropanol, and mixtures thereof.

21. The composition according to claim 20 wherein the alcohol is ethanol.